FIIG T229
Reprint Date: May 7, 2010

FEDERAL ITEM IDENTIFICATION GUIDE

RAILWAY EQUIPMENT

This Reprint replaces FIIG T229, dated May 5, 2000, and incorporates all Changes, Errata, and Notices.

Commander

Defense Logistics Information Service

ATTN: DLIS-K

74 Washington Avenue North, Suite 7

Battle Creek, Michigan 49037-3084

(COMM) (269) 961-5779

(DSN) 661-5779

PUBLISHED BY DEFENSE LOGISTICS INFORMATION SERVICE, BATTLE CREEK, MI

This Federal Item Identification Guide for Supply Cataloging is issued under the authority of Department of Defense Instruction 5025.7.

The use of this publication is mandatory for US. Federal Activities participating in Federal Catalog System Operations.

BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

Contents

GENERAL INFORMATION

1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

This FIIG is comprised of the following:

Index of Approved Item Names Covered by this FIIG
Applicability Key Index
Section I - Item Characteristics Data Requirements
Section III - New text that should be here.
Appendix A - Reply Tables
Appendix B - Reference Drawing Groups (as applicable)
Appendix C - Technical Data Tables (as applicable)

a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign ($) for an OR condition, or a double dollar sign ($$) for an AND condition, (5) the mode code, (6) the response or reply code

(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

MRC	Mode Code	Requirement	Example
CLQL	G	COLLOQUIAL NAME (common usage name by which an item is known)	CLQLGWOVEN WIRE CLOTH*

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

MRC Index

INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

Approved Item Name	INC	App Key
AXLE, RAILWAY	03534	DB

A solid or bored cylindrical steel shaft to which a pair of railway wheels is applied. Such axles are used under heavy railway rolling equipment. This term does not include axles used under inspection cars, section cars, gang cars, push cars and trailers, or similar equipment.

BAR, POWERED TIE TAMPER	16352	GA

An item designed for use with a power-operated tamper for tamping ballast such as rock, gravel, cinders, sand, slag, dirt, and like materials around and under railway ties. Excludes those tools used with BREAKER, PAVING.

BLOCK, RAILWAY GUARD RAILSPACER	12944	EC
BRACE, RAILWAY RAIL	12945	ED
BRAKE BEAM, RAILWAY CAR	04411	LA

A structure, including brake heads, designed to support and position the brake shoes for railway car wheels. The truss type is composed of a tension member, a compression member, a strut and brake heads, with or without additional supporting members, either cast in one piece or of riveted construction. The clasp type is composed of a brake beam body with fulcrum or double jaws and brake heads attached thereto. Does not include brake shoes. See also BRAKE BEAM BODY, RAILWAY CAR.

BRAKE SHOE, RAILWAY, ABRASIVE	21961	DF

A grinding shoe which is held against the railway wheel to correct conditions of wheel wear. Excludes BRAKE SHOE, RAILWAY CAR.

COUPLER, RAILWAY, AUTOMATIC	04417	KA

A device by means of which the connection of one unit of railway rolling stock to another is automatically accomplished and maintained and conversely by which they are disconnected.

CRANE, LOCOMOTIVE, DIESEL ELECTRIC	01906	BA

A self-propelled unit designed to travel on rails. Electric energy for the propulsion or traction motors is derived from a diesel engine driven generator. Direct diesel power from the same engine is utilized for crane operations.

CRANE, LOCOMOTIVE, DIESEL MECHANICAL	01907	BA

Approved Item Name	INC	App Key
CRANE, LOCOMOTIVE, GASOLINE MECHANICAL	01908	BA
CRANE, LOCOMOTIVE, STEAM	01909	BA

A steam engine operated crane, mounted on a railway car, equipped to travel on rails as a self-propelled unit, used for handling and loading various types of materials by means of a cable operated bucket, hook, magnet, in conjunction with a boom swinging in a vertical and/or horizontal arc.

DUST GUARD, RAILWAY JOURNAL	04428	DE

An item designed to fit closely around the dust guard bearing of a railway axle to exclude dust and dirt and to prevent the escape of oil and waste from the journal box.

GUARD RAIL, RAILWAY	12943	FB

A formed section of rail used as part of a railroad turnout to reinforce the rails.

HANGER, RAILWAY BRAKE BEAM	04421	MA

A metal link or shaped bar by which railway car brake beams and attachments are suspended from the truck frame.

JOINT BAR, RAIL	03486	EA

A piece of steel formed to provide a connection for the ends of adjacent rails in a track.

JOURNAL BOX, RAILWAY	04491	DD

A metal housing which encloses the journal of a railway axle, the bearing, and associated parts, and which holds the oil and packing for lubricating the journal. Excludes steam locomotive driving box.

LEVER CONNECTION, RAILWAY BRAKE	04863	JA

A metal rod connecting two brake levers on a railway car or locomotive tender truck.

LOCOMOTIVE, DIESEL ELECTRIC	00211	AA
LOCOMOTIVE, GASOLINE MECHANICAL	00213	AA
RAIL, TEE, RAILWAY	03485	FA

A bar of steel, formed approximately in the shape of the letter T, used as a guide and runway for the flanged wheels of railway cars and other rolling stock.

Approved Item Name	INC	App Key

Railway Car

1. A vehicle mounted on flanged wheels for traveling on rails, used to transport passengers or materials. Does not include self-propelled units.

RAILWAY CAR (1), BOX	02719	CA

A railway freight car having a closed body with side doors or side and end doors used for general freight transportation and especially for lading which must be protected from the weather.

RAILWAY CAR (1), FLAT	02721	CB

A railway freight car with a floor laid over the sills without any housing or body above. Excludes RAILWAY CAR, FLAT, WELL and RAILWAY CAR (1), FLAT, DEPRESSED CENTER.

RAILWAY CAR (1), FLAT, DEPRESSED CENTER	02722	CB

A railway flat car specially constructed with that portion of the car extending between the trucks depressed to provide necessary head room for certain classes of lading.

RAILWAY CAR (1), FLAT, WELL	02723	CB

A railway flat car specially constructed with that portion of the floor extending between trucks depressed between the side sills to provide necessary head room for certain classes of lading.

RAILWAY CAR (1), GONDOLA	02773	CD

A railway freight car with sides and ends but without a top covering. The floor or bottom is level or approximately so and may be solid or provided with bottom doors. Used for transportation of freight in bulk.

RAILWAY CAR (1), TANK	02714	CC

A railway freight car, whose body consists of a tank or tanks for transporting liquids or gases.

Railway Motor Car

1. A self-propelled vehicle mounted on flanged wheels for traveling on rails, used to transport passengers or materials. Excludes LOCOMOTIVE (as modified).

RAILWAY MOTOR CAR (1), MAINTENANCE	02777	CE

A small, light, four-wheeled railway car used by "Maintenance of Way Department" for transfer of men and tools to location of job either for repairs or inspection. See also RAILWAY CAR, TRAILER.

Approved Item Name	INC	App Key
SNOWPLOW, RAILWAY, PUSH	04371	HA

An item for removing snow from railway tracks by pushing motion, the actual removal resulting from a horizontally straight blade cutting diagonally into the snow or a wedge blade moving snow to both sides of railway track. Includes types designed for mounting on a railway car or locomotive, and types which are integral with their carrier. Excludes rotary type snowplows.

TIE PLATE, RAILWAY	03487	EB

A piece of steel having a rail seat, one or more shoulders and spike holes for attaching the rail to the tie in order to maintain the rail in proper position with respect to gauge and also to distribute the load from the rail to the tie and to protect the tie.

WHEEL, RAILWAY	03535	DC

A flanged, circular iron or steel, disk. Two such disks are applied to an axle to form an assembly. This item does not include steam locomotive driving wheels or the wheels used under inspection cars, section cars, gang cars, push cars and trailers, or similar equipment.

WHEEL SET, RAILWAY	03491	DA

An assembly consisting of two railway wheels applied to a railway axle. It may also include additional components such as flingers, gears, rings, etc. Two or more wheel sets serve to support a piece of heavy railway rolling equipment. This item does not include steam locomotive driving wheel sets or the wheel sets used under inspection cars, section cars, gang cars, push cars and trailers, or similar equipment.

APPLICABILITY KEY INDEX

	AA
NAME	X
ALBY	X
AYMN	X
AYMP	X
AYMQ	X
AYMR	X
AYMS	X
AYMT	AR
AYMW	AR
AYMX	X
AYMY	X
ATJL	AR
AYHQ	AR
AYMZ	AR
AYWD	X
AYWE	AR
AYWF	AR
AYWG	AR
AYWH	AR
AYWJ	AR
AYWK	X
AYWL	AR
AQGA	AR
AYWM	X
AYWN	AR
AYWP	X
AYWQ	X
AYWR	AR
AYWS	X
ABKW	X
ABMK	X
AYWT	X
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
ELCD	AR
CBME	AR
PKWT	AR
AGAV	AR
SUPP	AR

ZZZV	AR

	BA
NAME	X
AYMN	X
AGCS	X
AYMX	X
ABHP	X
ABMK	X
ABKW	X
AYMP	X
AYWX	X
AYWY	AR
ASZH	X
AYWZ	X
AYXA	AR
AYXB	X
AMZE	X
AYXC	X
AYWP	X
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
ELCD	AR
CBME	AR
PKWT	AR
AGAV	AR
SUPP	AR
ZZZV	AR

	CA	CB	CC	CD	CE
NAME	X	X	X	X	X
AYMN	X	X	X	X	X
AYXD	X	X	X	X	X
AYXE	AR	AR	AR	AR	AR
AQGA	AR	AR	AR	AR	AR
AYXF	X	X	X	X	X
AYXG	AR	AR	AR	AR	AR
AYXH	AR	AR	AR	AR	AR
AYWP	X	X	X	X	X
AYXJ	X	X	X	X	
AYXK	X	X	X	X	X
ATXR	X			X	
ADJU	X		X	X	
ADJT	X			X	
AFMQ	X			X	
AARX			X		
AYXL	X				
AYXM	X				
ATSZ	X				
AERQ	X				
AYXN	AR				
AYXP	AR				
AYXQ	AR				
AYXR		X	X		
AYXS		X			
AYXT		X			
AYXW		X			
AYXX		X			
AMKA			X		
AYXY			AR		
AZGY			X		
AZGZ				X	
AAFZ				X	
AZHA				X	
AZHB				AR	
AZHC				X	
AZHD				AR	
AZHE				AR	
AZHF				AR	
AZHG				X	
AZHH				AR	
AZHJ				AR	
AZHK					X
AHZX					AR
AKDJ					X
ATPR					AR
AZBN					AR
BCQN					AR
ABAR					AR
AAGK					AR
AZHL					X
WGHT					X
FEAT	AR	AR	AR	AR	AR

TEST	AR	AR	AR	AR	AR
SPCL	AR	AR	AR	AR	AR
ZZZK	AR	AR	AR	AR	AR
ZZZT	AR	AR	AR	AR	AR
ZZZW	AR	AR	AR	AR	AR
ZZZX	AR	AR	AR	AR	AR
ZZZY	AR	AR	AR	AR	AR
CRTL	AR	AR	AR	AR	AR
PRPY	AR	AR	AR	AR	AR
ELRN	AR	AR	AR	AR	AR
ELCD	AR	AR	AR	AR	AR
CBME	AR	AR	AR	AR	AR
PKWT	AR	AR	AR	AR	AR
AGAV	AR	AR	AR	AR	AR
SUPP	AR	AR	AR	AR	AR
ZZZV	AR	AR	AR	AR	AR

	DA	DB	DC	DD	DE	DF
NAME	X	X	X	X	X	X
ALBY		X		X		
AYMN	X	X				
AZHM	X	X				
AZHN	X	X				
AZHP	AR					
AZHQ	X	X				
AZHR	X	X				
AZHS	X	X		X	X	
AZHT	X	X		X	X	
AZHW	X	X				
APGF				X		
AZHX				AR		
AZHY				X		
AZHZ	X	X		X		
AZJL	X	X				
AZJM	X	X				
AZJA	X	X				
AZJB	X	X				
AZJC	AR		AR			
AZJD						AR
AZJE	X		X			
AZJG	AR		AR			
AYMS	X		X			X
AZJF	AR		AR			
AKYN	AR					
AZJH		X				
AZJJ			X			
ABXV			X			
AZJK			AR			
ABKW					X	
ABMK					X	
ABNM					X	
AAUB					X	
MATL				X	X	
AAFW				AR	AR	
AGUC					AR	
AGUD					AR	
FEAT	AR	AR	AR	AR	AR	AR
TEST	AR	AR	AR	AR	AR	AR
SPCL	AR	AR	AR	AR	AR	AR
ZZZK	AR	AR	AR	AR	AR	AR
ZZZT	AR	AR	AR	AR	AR	AR
ZZZW	AR	AR	AR	AR	AR	AR
ZZZX	AR	AR	AR	AR	AR	AR
ZZZY	AR	AR	AR	AR	AR	AR
CRTL	AR	AR	AR	AR	AR	AR
PRPY	AR	AR	AR	AR	AR	AR
ELRN	AR	AR	AR	AR	AR	AR
ELCD	AR	AR	AR	AR	AR	AR
CBME	AR	AR	AR	AR	AR	AR
PKWT	AR	AR	AR	AR	AR	AR
AGAV	AR	AR	AR	AR	AR	AR

SUPP	AR	AR	AR	AR	AR	AR
ZZZV	AR	AR	AR	AR	AR	AR

	EA	EB	EC	ED
NAME	X	X	X	X
MATL	X	X	X	
AZJN	X	X		X
AECS	AR		X	
AHNY	AR		X	
AZJP	X	X		
AZJQ	AR	AR		
AZJR	X	X		
APGF	X			
AZNG	AR			
AZNH	X			
AZNJ	AR			
AZNK	AR			
ABHP	X			
AZNL	X			
AZNM	X			
AHGR	X			
AZNN	X			
AZNP		X		
AZNQ		X		
AZNR		X		
AZNS		X		
AZNT		X		
AZNW		AR		
ABGL			X	
HGTH			X	
ALBY			X	
ABNM			X	
AZNX				X
FEAT	AR	AR	AR	AR
TEST	AR	AR	AR	AR
SPCL	AR	AR	AR	AR
ZZZK	AR	AR	AR	AR
ZZZT	AR	AR	AR	AR
ZZZW	AR	AR	AR	AR
ZZZX	AR	AR	AR	AR
ZZZY	AR	AR	AR	AR
CRTL	AR	AR	AR	AR
PRPY	AR	AR	AR	AR
ELRN	AR	AR	AR	AR
ELCD	AR	AR	AR	AR
CBME	AR	AR	AR	AR
PKWT	AR	AR	AR	AR
AGAV	AR	AR	AR	AR
SUPP	AR	AR	AR	AR
ZZZV	AR	AR	AR	AR

	FA	FB
NAME	X	X
ASHR	X	X
MATL	X	X
AZNY	X	X
ASXK	AR	AR
AZNZ	AR	AR
AZPA	AR	AR
AZPB	AR	AR
ABRF	AR	AR
APCL	X	
ACTV	X	
ABKW	X	
ABQX	X	
AZPC	X	
AZPD	X	
AZPE	X	
ABHP		X
AKYD		AR
FEAT	AR	AR
TEST	AR	AR
SPCL	AR	AR
ZZZK	AR	AR
ZZZT	AR	AR
ZZZW	AR	AR
ZZZX	AR	AR
ZZZY	AR	AR
CRTL	AR	AR
PRPY	AR	AR
ELRN	AR	AR
ELCD	AR	AR
CBME	AR	AR
PKWT	AR	AR
AGAV	AR	AR
SUPP	AR	AR
ZZZV	AR	AR

	GA
NAME	X
ASWL	X
AAZE	AR
AAGW	AR
AATR	AR
AEAE	X
AEAF	X
AJBG	X
AZPF	X
AZPG	X
ABHP	X
MATL	X
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
ELCD	AR
CBME	AR
PKWT	AR
AGAV	AR
SUPP	AR
ZZZV	AR

	HA
NAME	X
AZPH	X
AZPJ	AR
AZPK	AR
AZPL	X
AZPM	AR
AEAF	AR
AZPN	AR
APGF	X
MATL	X
AAXX	X
ALBY	AR
AYMN	AR
AZPP	X
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
ELCD	AR
CBME	AR
PKWT	AR
AGAV	AR
SUPP	AR
ZZZV	AR

	JA
NAME	X
ARQS	X
APGF	X
AZPQ	X
AZPR	AR
AAUB	X
AZPS	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
ELCD	AR
CBME	AR
PKWT	AR
AGAV	AR
SUPP	AR
ZZZV	AR

	KA
NAME	X
AZPT	X
ALBY	X
APCG	X
AATR	AR
AZPW	AR
AZPX	AR
AZPY	AR
AZPZ	X
AZQA	X
AZQB	X
AAFZ	X
AZXM	X
AZXN	X
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
ELCD	AR
CBME	AR
PKWT	AR
AGAV	AR
SUPP	AR
ZZZV	AR

	LA
NAME	X
AYMN	X
APGF	X
AZXP	AR
AZXQ	AR
AZXR	AR
AZXS	AR
AZXT	AR
AZXW	AR
AZXX	X
AZXY	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
ELCD	AR
CBME	AR
PKWT	AR
AGAV	AR
SUPP	AR
ZZZV	AR

	MA
NAME	X
STYL	X
ABRY	AR
ACXU	AR
ADJT	AR
MATL	X
AZXZ	X
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
ELCD	AR
CBME	AR
PKWT	AR
AGAV	AR
SUPP	AR
ZZZV	AR

Body

SECTION: A

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED00211*)

AA			
	ALBY	D	USAGE DESIGN

Definition: INDICATES THE DESIGNED USE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALBYDAGH*; ALBYDAJZ$$DAGH*; ALBYDAJZ$DAGH*)

REPLY CODE	REPLY (AH21)
AJZ	ROAD
AGH	SWITCHING

AA			
	AYMN	J	TRACK GAGE

Definition: THE WIDTH BETWEEN THE RAIL HEADS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the gage measurement. (e.g., AYMNJA56.500*; AYMNJA63.000$$JA66.000*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

AA

APP Key	MRC	Mode Code	Requirements
	AYMP	J	GROSS WEIGHT

Definition: THE WEIGHT OF THE ITEM FULLY EQUIPPED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the total tonnage. (e.g., AYMPJBY120.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AYMPKN*)

REPLY CODE	REPLY (AG67)
BX	METRIC TONS
BY	TONS

AA

	AYMQ	A	WHYTE SYSTEM WHEEL ARRANGEMENT

Definition: THE WHEEL ARRANGEMENT AS SPECIFIED BY THE WHYTE SYSTEM.

Reply Instructions: Enter the wheel arrangement.

(e.g., AYMQA0-4-0*)

AA

	AYMR	D	WHEEL TYPE

Definition: INDICATES THE TYPE OF WHEEL(S) PROVIDED ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYMRDAE*)

REPLY CODE	REPLY (AH67)
A	ANY ACCEPTABLE
AE	SOLID
AF	TIRED

AA

	AYMS	J	WHEEL DIAMETER

APP
Key MRC Mode Code Requirements

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A WHEEL, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYMSJA40.000*; AYMSJA33.000$$JA38.000*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

AA*

AYMT J WHEELBASE TYPE AND SPACING

Definition: INDICATES THE TYPE AND SPACING BETWEEN THE LEADING AND TRAILING AXLES OF THE WHEELBASE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value of the measured spacing. (e.g., AYMTJFFS6.000*; AYMTJFFS6.833*)

For items indicating feet and inches, see Appendix C, Table 1 for conversion.

Table 1

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

Table 2

REPLY CODE	REPLY (AA78)
FS	RIGID
CG	TRUCK

AA*

AYMW J TOTAL DISTANCE BETWEEN WHEELBASES

Definition: THE TOTAL DISTANCE BETWEEN THE LEADING AND TRAILING AXLES OF THE WHEELBASE(S) ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYMWJF31.000*)

APP Key	MRC	Mode Code	Requirements

For items indicating feet and inches, see Appendix C, Table 1 for conversion.

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

AA

AYMX J NEGOTIABLE TRACK CURVE MINIMUM RADIUS

Definition: THE MINIMUM TRACK CURVATURE RADIUS WHICH CAN BE NEGOTIATED BY THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYMXJF75.000*)

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

AA

AYMY A ENGINE QUANTITY

Definition: THE NUMBER OF ENGINES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AYMYA1*)

AA*

ATJL G ENGINE MANUFACTURER NAME

Definition: THE NAME OF THE MANUFACTURER OF THE ENGINE FURNISHED.

Reply Instructions: Enter the reply in clear text. (e.g., ATJLGCATERPILLAR TRACTOR CO*)

AA*

AYHQ G ENGINE MANUFACTURER IDENTIFYING NUMBER

APP Key	MRC	Mode Code	Requirements

Definition: THE NUMBER USED BY THE MANUFACTURER FOR IDENTIFYING THE ENGINE.

Reply Instructions: Enter the reply in clear text.

(e.g., AYHQGMODEL NO. 16-567B*)

AA*

AYMZ G MAXIMUM ENGINE HORSEPOWER/RPM RATING

Definition: THE MAXIMUM ENGINE HORSEPOWER GENERATED AT RECOMMENDED REVOLUTIONS PER MINUTE.

Reply Instructions: Enter the reply in clear text. (e.g., AYMZG230 HP AT 900 RPM*)

AA

AYWD A TRACTION GENERATOR QUANTITY

Definition: THE NUMBER OF TRACTION GENERATORS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AYWDA2*)

AA*

AYWE G TRACTION GENERATOR MANUFACTURER NAME

Definition: THE NAME OF THE MANUFACTURER OF THE TRACTION GENERATOR FURNISHED.

Reply Instructions: Enter the reply in clear text. (e.g., AYWEGGENERAL ELECTRIC CO*)

AA*

AYWF G TRACTION GENERATOR MANUFACTURER IDENTIFYING NUMBER

Definition: THE NUMBER USED BY THE MANUFACTURER FOR IDENTIFYING THE TRACTION GENERATOR.

Reply Instructions: Enter the reply in clear text. (e.g., AYWFGTYPE NO. 480*)

AA*

APP Key	MRC	Mode Code	Requirements
	AYWG	A	TRACTION MOTOR QUANTITY

Definition: THE NUMBER OF TRACTION MOTORS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AYWGA4*)

AA*

	AYWH	G	TRACTION MOTOR MANUFACTURE NAME

Definition: THE NAME OF THE MANUFACTURER OF THE TRACTION MOTOR FURNISHED.

Reply Instructions: Enter the reply in clear text. (e.g., AYWHGWESTINGHOUSE ELECTRIC CORP*)

AA*

	AYWJ	G	TRACTION MOTOR MANUFACTURER IDENTIFYING NUMBER

Definition: THE NUMBER USED BY THE MANUFACTURER FOR IDENTIFYING THE TRACTION MOTOR.

Reply Instructions: Enter the reply in clear text. (e.g., AYWJGMODEL NO. 928K*)

AA

	AYWK	D	BRAKE EQUIPMENT TYPE

Definition: INDICATES THE TYPE OF BRAKE EQUIPMENT FURNISHED WITH THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYWKDEA*; AYWKDDZ$$DEA*; AYWKDDT$DDW*)

REPLY CODE	REPLY (AG25)
A	ANY ACCEPTABLE
DT	AUTOMATIC AIR
DZ	INDEPENDENT AIR
DY	SINGLE END STRAIGHT AIR
DW	STRAIGHT AIR
EA	VACUUM
DX	VACUUM-AIR

APP Key	MRC	Mode Code	Requirements
AA*			
	AYWL	A	SCHEDULE NUMBER

Definition: THE SCHEDULE NUMBER CONTAINING THE PRINTED LIST OF THE MANUFACTURER.

Reply Instructions: Enter the schedule number.

(e.g., AYWLA6 SLAV*;

AYWLA6 SLAV$$A6 SLAV-1*)

AA*			
	AQGA	G	MANUFACTURER NAME

Definition: THE NAME OF THE MANUFACTURER.

Reply Instructions: Enter the reply in clear text. (e.g., AQGAGNEW YORK AIR BRAKE CO*)

AA			
	AYWM	D	TRACTION MOTOR DRIVE TO AXLE DRIVE COUPLING METHOD

Definition: THE MEANS USED TO TRANSMIT THE DRIVING EFFORT TO THE AXLE FROM THE TRACTION MOTOR.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYWMDAEH*; AYWMDAEH$$DAEJ*)

REPLY CODE	REPLY (AE15)
A	ANY ACCEPTABLE
AEH	DOUBLE REDUCTION GEAR
AEJ	SINGLE REDUCTION GEAR

AA*			
	AYWN	D	DRIVE COUPLING DRIVE METHOD BETWEEN AXLES

APP Key	MRC	Mode Code	Requirements

Definition: THE MEANS BY WHICH THE DRIVING EFFORT IS TRANSMITTED BETWEEN AXLES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYWNDAAH*)

REPLY CODE	REPLY (AL40)
A	ANY ACCEPTABLE
AAG	CHAIN
AAH	SIDE ROD

AA

AYWP D COUPLER ARRANGEMENT

Definition: A DESIGNATION THAT IDENTIFIES THE ARRANGEMENT USED TO COUPLE ONE ITEM TO ANOTHER.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., AYWPDAAB*; AYWPDAAE$$DAAJ*; AWYPDAAB$DAAM*)

AA

AYWQ J MAXIMUM TRACTIVE FORCE ON LEVEL TANGENT TRACK

Definition: THE MOTIVE POWER REQUIRED TO PROVIDE THE ADHESIVE FRICTION OF A BODY ON A SURFACE ON WHICH IT MOVES.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value of the maximum tractive force performance at 30 percent adhesion. (e.g., AYWQJAS75000.0*)

REPLY CODE	REPLY (AG67)
AJ	KILOGRAMS
AS	POUNDS

AA*

AYWR G CONTINUOUS TRACTIVE FORCE ON LEVEL TANGENT TRACK

APP
Key MRC Mode Code Requirements

Definition: THE MOTIVE POWER REQUIRED TO SUSTAIN THE MOVEMENT OF A BODY ON A SURFACE ON WHICH IT MOVES.

Reply Instructions: Enter the reply in clear text. (e.g., AYWRG6200 LB AT 6.2 MPH*)

AA

AYWS J MAXIMUM NO LOAD SPEED

Definition: THE MAXIMUM SPEED AT WHICH AN ITEM CAN BE OPERATED UNDER NO LOAD CONDITIONS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYWSJM30.0*)

REPLY CODE	REPLY (AA34)
K	KILOMETERS PER HOUR
M	MILES PER HOUR

AA

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value, including highest extension above cab. (e.g., ABKWJFA14.000*; ABKWJFA10.333*; ABKWJFB10.333$$JFC13.562*)

For items indicating feet and inches, see Appendix C, Table 1 for conversion.

Table 1

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

AA

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE MEASURED LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJFA10.000*; ABMKJFA10.250*; ABMKJFB9.745$$JFC9.800*)

For items indicating feet and inches, see Appendix C, Table 1 for conversion.

Table 1

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

AA

AYWT J OVERALL LENGTH INCLUDING PROTRUSIONS

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM, INCLUDING ALL PROTRUSIONS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYWTJFAAB34.000*; AYWTJFAAD43.292*; AYWTJFAAB34.000$$JFAAB36.000*)

For items indicating feet and inches, see Appendix C, Table 1 for conversion.

Table 1

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AM65)
AAB	BETWEEN COUPLER PULLING FACES
AAC	INSIDE KNUCKLES
AAD	OVER BUFFERS
AAE	OVER BUMPERS
AAJ	OVER COUPLER PULLING FACES
AAF	OVER COUPLERS
AAG	OVER END PLATES
AAH	OVER END SILLS

SECTION: B

APP Key	MRC	Mode Code	Requirements
BA			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED01909*)

BA			
	AYMN	J	TRACK GAGE

Definition: THE WIDTH BETWEEN THE RAIL HEADS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYMNJA56.500*; AYMNJA36.000$$JA39.375*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

BA			
	AGCS	J	MAXIMUM LOAD RATING

Definition: THE MAXIMUM LOAD FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AGCSJP50000.0*)

REPLY CODE	REPLY (AB16)
K	KILOGRAMS
P	POUNDS

BA			
	AYMX	J	NEGOTIABLE TRACK CURVE MINIMUM RADIUS

APP Key	MRC	Mode Code	Requirements

Definition: THE MINIMUM TRACK CURVATURE RADIUS WHICH CAN BE NEGOTIATED BY THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYMXJF75.000*)

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

BA

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJFA10.000*; ABHPJFA26.333*; ABHPJFB26.000$$JFC26.500*)

For items indicating feet and inches, see Appendix C, Table 1, for conversion.

Table 1

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

BA

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

APP
Key MRC Mode Code Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJFA25.000*; ABMKJFA26.500*; ABMKJFB8.500$$JFC8.750*)

For items indicating feet and inches, see Appendix C, Table 1 for conversion.

Table 1

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

BA

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJFA12.000*; ABKWJFA11.167*; ABKWJFB815.083$$JFC15.417*)

For items indicating feet and inches, see Appendix C, Table 1 for conversion.

Table 1

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

BA

APP Key	MRC	Mode Code	Requirements
	AYMP	J	GROSS WEIGHT

Definition: THE WEIGHT OF THE ITEM FULLY EQUIPPED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYMPJAS78.500*)

REPLY CODE	REPLY (AG67)
AJ	KILOGRAMS
AS	POUNDS

BA

	AYWX	J	MAIN HOIST SPEED

Definition: THE RATED SPEED OF THE MAIN HOIST.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYWXJB125.0*)

REPLY CODE	REPLY (AA22)
B	FEET PER MINUTE
C	METERS PER MINUTE

BA*

	AYWY	J	AUXILIARY HOIST SPEED

Definition: THE RATED SPEED OF THE AUXILIARY HOIST.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYWYJB500.0*)

REPLY CODE	REPLY (AA22)
B	FEET PER MINUTE
C	METERS PER MINUTE

BA

	ASZH	D	BOOM DESIGN

APP Key	MRC	Mode Code	Requirements

Definition: THE DESIGN OF THE BOOM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASZHDAE*; ASZHDAF$$DAG*)

REPLY CODE	REPLY (AH47)
A	ANY ACCEPTABLE
AE	CURVED
AF	SECTIONAL
AG	STRAIGHT LATTICE
AH	WRECKING

BA

AYWZ J BOOM LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE BOOM, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYWZJF35.000*; AYWZJF50.667*)

For items indicating feet and inches, see Appendix C, Table 1 for conversion.

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

BA*

AYXA J BOOM MAXIMUM WORKING RADIUS

Definition: THE MAXIMUM WORKING RADIUS OF THE BOOM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYXAJF34.000*; AYXAJF50.667*)

For items indicating feet and inches, see Appendix C, Table 1 for conversion.

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

APP Key	MRC	Mode Code	Requirements

BA

AYXB J BOOM MINIMUM WORKING RADIUS

Definition: THE MINIMUM WORKING RADIUS OF THE BOOM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYXBJF15.000*; AYXBJF12.500*)

For items indicating feet and inches, see Appendix C, Table 1 for conversion.

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

BA

AMZE B ROTATIONAL SPEED RATING IN RPM

Definition: THE SPEED AT WHICH AN ITEM HAS BEEN TESTED AND RATED TO PERFORM WITHOUT DAMAGE OR FAILURE OF THE ROTATING COMPONENTS, EXPRESSED IN REVOLUTIONS PER MINUTES.

Reply Instructions: Enter the numeric value. (e.g., AMZEB2.64*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AMZEKN*)

BA

AYXC J MAXIMUM TRAVELING SPEED

Definition: THE MAXIMUM RATED TRAVELING SPEED OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYXCJH10.000*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AYXCKN*)

REPLY CODE	REPLY (AA22)
B	FEET PER MINUTE
J	KILOMETERS PER HOUR

APP Key	MRC	Mode Code	Requirements
		C	METERS PER MINUTE
		H	MILES PER HOUR
BA			
	AYWP	D	COUPLER ARRANGEMENT

Definition: THE DESIGNATION THAT IDENTIFIES THE ARRANGEMENT USED TO COUPLE ONE ITEM TO ANOTHER.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., AYWPDAAN*; AYWPDAAF$$DAAJ*; AYWPDAAB$DAAM*)

SECTION: C

APP Key	MRC	Mode Code	Requirements

ALL

NAME D ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED02719*)

CA, CB, CC, CD, CE

AYMN J TRACK GAGE

Definition: THE WIDTH BETWEEN THE RAIL HEADS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the gage measurement. (e.g., AYMNJA56.500*; AYMNJA36.000$$JA39.375*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

CA, CB, CC, CD, CE

AYXD D TRUCK WHEEL CONFIGURATION

Definition: THE CONFIGURATION OF THE TRUCK WHEEL(S) ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYXDDAAC*)

REPLY CODE	REPLY (AM67)
A	ANY ACCEPTABLE
AAC	1 FOUR-WHEEL TRUCK
AAB	1 TWO-WHEEL TRUCK
AAJ	2 EIGHT-WHEEL TRUCKS
AAE	2 FOUR-WHEEL TRUCKS
AAF	2 SIX-WHEEL TRUCKS
AAD	2 TWO-WHEEL TRUCKS
AAG	4 FOUR-WHEEL TRUCKS
AAH	4 SIX-WHEEL TRUCKS

APP Key	MRC	Mode Code	Requirements

CA*, CB*, CC*, CD*, CE*

AYXE D POWER BRAKE TYPE

Definition: INDICATES THE TYPE OF POWER BRAKE FURNISHED WITH THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYXEDEG*; AYXEDEH$$DEK*; AYXEDEG$DEH*)

REPLY CODE	REPLY (AG25)
EH	AB AIR
EJ	AB-1012 AIR
MT	ABD AIR
EG	AIR
A	ANY ACCEPTABLE
DT	AUTOMATIC AIR
MW	D-22-P AIR
MX	K AIR
EK	KC AIR
EL	KC-1012 AIR
EA	VACUUM

CA*, CB*, CC*, CD*, CE*

AQGA G MANUFACTURER NAME

Definition: THE NAME OF THE MANUFACTURER.

Reply Instructions: Enter the reply in clear text. (e.g., AQGAGWESTINGHOUSE AIR BRAKE CO*)

CA, CB, CC, CD, CE

AYXF D HAND BRAKE

Definition: AN INDICATION OF WHETHER OR NOT A HAND BRAKE IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYXFDB*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

APP Key	MRC	Mode Code	Requirements

NOTE FOR MRCS AYXG AND AYXH: IF REPLY CODE B IS ENTERED FOR MRC AYXF, REPLY TO MRCS AYXG AND AYXH.

CA*, CB*, CC*, CD*, CE* (See Note Above)

AYXG D HAND BRAKE LOCATION

Definition: INDICATES THE LOCATION OF THE HAND BRAKE ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYXGDAHH*)

REPLY CODE	REPLY (AJ91)
A	ANY ACCEPTABLE
AHH	BOTH ENDS
AYB	BOTH SIDES AT ONE END
AHP	CENTER
	One Each End (use Reply Code AHH)
AHL	ONE END

CA*, CB*, CC*, CD*, CE* (See Note Preceding MRC AYXG)

AYXH A HAND BRAKE APPLICATION WHEEL QUANTITY

Definition: THE NUMBER OF WHEELS TO WHICH THE HAND BRAKE IS APPLIED.

Reply Instructions: Enter the quantity. (e.g., AYXHA4*)

CA, CB, CC, CD, CE

AYWP D COUPLER ARRANGEMENT

Definition: A DESIGNATION THAT IDENTIFIES THE ARRANGEMENT USED TO COUPLE ONE ITEM TO ANOTHER.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., AYWPDAAP*; AYWPDAAC$$DAAW*; AYWPDAAB$DAAM*)

CA, CB, CC, CD

AYXJ G CLEARANCE DIAGRAM DESIGNATOR

APP Key	MRC	Mode Code	Requirements

Definition: A DESIGNATION INDICATING A GRAPHIC REPRESENTATION IN STANDARD AND ACCEPTED SYMBOLS OF THE MAXIMUM PERMISSIBLE WIDTH AND HEIGHT OR RAILWAY EQUIPMENT.

Reply Instructions: Enter the reply in clear text.

(e.g., AYXJGTC DWG NO. 2-B-4 COMPOSITE*)

CA, CB, CC, CD, CE

AYXK J MAXIMUM LOAD RATING

Definition: THE MAXIMUM RATED LOAD THE ITEM IS DESIGNED TO ACCOMMODATE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYXKJAS1200.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AYXKKN*)

REPLY CODE	REPLY (AG67)
AJ	KILOGRAMS
BX	METRIC TONS
AS	POUNDS
BY	TONS

CA, CD

ATXR J BASIC UNIT CUBIC CAPACITY

Definition: A MEASUREMENT OF INTERNAL CAPACITY OF THE BASIC UNIT TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE DEPTH AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ATXRJF1168.0*)

REPLY CODE	REPLY (AD42)
F	CUBIC FEET
E	CUBIC METERS

APP Key	MRC	Mode Code	Requirements

CA, CC, CD

ADJU J INSIDE LENGTH

Definition: A MEASUREMENT OF THE LONGEST INSIDE DIMENSION OF AN ITEM, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADJUJFA40.000*; ADJUJFA40.500*; ADJUJFB33.750$$JFC34.000*)

For items indicating feet and inches, see Appendix C, Table 1 for conversion.

Table 1

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

CA, CD

ADJT J INSIDE WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADJTJFA9.000*; ADJTJFA9.167*; ADJTJFB8.312$$JFC8.500*)

For items indicating feet and inches, see Appendix C, Table 1 for conversion.

Table 1

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL

APP Key	MRC	Mode Code	Requirements
		B	MINIMUM
		C	MAXIMUM

CA, CD

AFMQ J INSIDE HEIGHT

Definition: AN INSIDE MEASUREMENT FROM THE INSIDE OF THE BOTTOM TO THE TOP OF AN ITEM, IN DISTINCTION FROM DEPTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the inside height (at eaves). (e.g., AFMQJFA10.000*; AFMQJFA6.729*; AFMQJFB6.729$$JFC6.948*)

For items indicating feet and inches, see Appendix C, Table 1 for conversion.

Table 1

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

CC

AARX J INSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE INSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AARXJFA6.000*; AARXJFA6.729*; AARXJFB7.250$$JFC7.333*)

For items indicating feet and inches, see Appendix C, Table 1 for conversion.

Table 1

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

CA

AYXL D SHEATHING CONSTRUCTION

Definition: THE STRUCTURAL CHARACTERISTIC OF THE SHEATHING.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYXLDACB*)

REPLY CODE	REPLY (AL59)
ACB	DOUBLE
ACC	SINGLE

CA

AYXM D OUTSIDE SHEATHING MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE OUTSIDE SHEATING IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYXMDST0000*; AYXMDST0000$$DWD0000*)

REPLY CODE	REPLY (AD09)
A	ANY ACCEPTABLE
ST0000	STEEL
WD0000	WOOD

CA

ATSZ A DOOR QUANTITY

Definition: THE NUMBER OF DOORS PROVIDED.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the quantity. (e.g., ATSZA2*)

AERQ D DOOR TYPE

Definition: INDICATES THE TYPE OF DOOR FURNISHED WITH THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AERQDAK*)

REPLY CODE	REPLY (AD27)
AK	DOUBLE
AL	SINGLE

CA*

AYXN D DOOR CLOSURE TYPE

Definition: INDICATES THE TYPE OF CLOSURE PROVIDED FOR THE DOOR.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYXNDACJ*)

REPLY CODE	REPLY (AM35)
ACH	HINGE
ACJ	SLIDE

CA*

AYXP D DOOR LOCATION

Definition: INDICATES THE LOCATION OF THE DOOR ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYXPDAHM*; AYXPDASB$$DAHL*)

REPLY CODE	REPLY (AJ91)
A	ANY ACCEPTABLE
AHM	EACH END
ASB	EACH SIDE
AHL	ONE END

APP Key	MRC	Mode Code	Requirements

CA*

AYXQ J DOOR OPENING WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE HEIGHT OF THE DOOR UPRIGHTS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYXQJF10.000*; AYXQJF7.854*)

For items indicating feet and inches, see Appendix C, Table 1 for conversion.

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

CB, CC

AYXR D CARGO TYPE FOR WHICH DESIGNED

Definition: INDICATES THE TYPE OF CARGO FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., AYXRDCQ*; AYXRDCS$$DCT*; AYXRDCH$DCJ*)

CB

AYXS D PLATFORM MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE PLATFORM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYXSDWD0000*; AYXSDST0000$$DWD0000*)

REPLY CODE	REPLY (AD09)
A	ANY ACCEPTABLE
ST0000	STEEL
STL000	STEEL, CAST
WD0000	WOOD

APP Key	MRC	Mode Code	Requirements

CB

AYXT J PLATFORM LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE PLATFORM TAKEN, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYXTJF60.000*; AYXTJF72.250*)

For items indicating feet and inches, see Appendix C, Table 1 for conversion.

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

CB

AYXW J PLATFORM WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE PLATFORM TAKEN, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYXWJF9.000*; AYXWJF9.667*)

For items indicating feet and inches, see Appendix C, Table 1 for conversion.

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

CB

AYXX J HEIGHT FROM RAIL TO PLATFORM TOP

Definition: A MEASUREMENT FROM RAIL TO TOP OF PLATFORM, IN DISTINCTION FROM DEPTH.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYXXJF5.000*; AYXXJF5.333*)

For items indicating feet and inches, see Appendix C, Table 1 for conversion.

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

CC

AMKA J TANK CAPACITY

Definition: INDICATES THE CAPACITY OF THE TANK.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AMKAJG8000.0*)

If more than one tank, use AND/OR ($$/$) coding, listing tank capacities in ascending order. (e.g., AMKAJG6000.0$$JG11000.0; AMKAJL22712.5$$JL41639.5*)*

REPLY CODE	REPLY (AB10)
G	GALLONS
L	LITERS

CC*

AYXY A INTERSTATE COMMERCE COMMISSION CLASSIFICATION

Definition: THE INTERSTATE COMMERCE COMMISSION SPECIFICATION OR STANDARD NUMBER GOVERNING THE ITEM.

Reply Instructions: Enter the classification.

(e.g., AYXYACLASS ICC-103-W*)

CC

AZGY D TANK CONSTRUCTION

Definition: THE STRUCTURAL CHARACTERISTIC OF THE TANK.

APP
Key MRC Mode Code Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZGYDACK*; AZGYDACK$$DACQ*; AZGYDACL$DACM*)

REPLY CODE	REPLY (AL59)
A	ANY ACCEPTABLE
ACK	FORGED STEEL
AHT	FUSION WELDED ALUMINUM
ACL	FUSION WELDED STEEL
ACM	RIVETED STEEL
ACN	WELDED ALUMINUM ALLOY
ACP	WELDED STAINLESS STEEL
ACQ	WELDED STEEL

CD

AZGZ D SIDE CONSTRUCTION

Definition: THE STRUCTURAL CHARACTERISTIC OF THE SIDE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZGZDACR*)

The term "high side" designates gondolas having sides more than 36 inches high. The term "low side" designates gondolas having sides 36 inches high or less.

REPLY CODE	REPLY (AL59)
ACR	HIGH
ACS	LOW

CD

AAFZ D BODY MATERIAL

Definition: THE BASIC MATERIAL OF WHICH THE BODY IS FABRICATED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAFZDST0000*; AAFZDST0000$$DWD0000*)

REPLY CODE	REPLY (AD09)
A	ANY ACCEPTABLE
ST0000	STEEL
WD0000	WOOD

APP Key	MRC	Mode Code	Requirements

CD

AZHA D BODY END TYPE

Definition: INDICATES THE TYPE OF BODY END(S) ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZHADBP*)

REPLY CODE	REPLY (AJ17)
AJ	FIXED
BP	HINGED

NOTE FOR MRC AZHB: IF REPLY CODE BP IS ENTERED FOR MRC AZHA, REPLY TO MRC AZHB.

CD* (See Note Above)

AZHB D HINGED END DROP DIRECTION

Definition: AN INDICATION OF THE DIRECTION IN WHICH THE HINGED END DROPS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZHBDF*)

REPLY CODE	REPLY (AC50)
E	INWARD
F	OUTWARD

CD

AZHC D BODY SIDE TYPE

Definition: INDICATES THE TYPE OF BODY SIDE(S) ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZHCDAJ*)

REPLY CODE	REPLY (AJ17)
AJ	FIXED

APP Key	MRC	Mode Code	Requirements
		BQ	HINGED DOOR

NOTE FOR MRCS AZHD, AZHE, AND AZHF: IF REPLY CODE BQ IS ENTERED FOR MRC AZHC, REPLY TO THESE MRCS, AS APPLICABLE.

CD* (See Note Above)

AZHD D HINGED DOOR TYPE

Definition: INDICATES THE TYPE OF HINGED DOOR FURNISHED WITH THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZHDDAL*)

REPLY CODE	REPLY (AD27)
AK	DOUBLE
AL	SINGLE

CD* (See Note Preceding MRC AZHD)

AZHE D HINGED DOOR OPENING METHOD

Definition: THE MEANS USED TO OPEN THE HINGED DOOR(S).

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZHEDBE*)

REPLY CODE	REPLY (AH25)
BE	DROPS INWARD
BF	DROPS OUTWARD
BG	SWINGS INWARD
BH	SWINGS OUTWARD

CD* (See Note Preceding MRC AZHD)

AZHF J HINGED DOOR OPENING WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE HINGED DOOR OPENING, IN DISTINCTION FROM THICKNESS.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AZHFJF6.000*; AZHFJF6.500*)

For items indicating feet and inches, see Appendix C, Table 1 for conversion.

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

CD

AZHG D BODY BOTTOM TYPE

Definition: INDICATES THE TYPE OF BODY BOTTOM ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZHGDBR*)

REPLY CODE	REPLY (AJ17)
BR	DROP DOOR
AJ	FIXED

NOTE FOR MRCS AZHH AND AZHJ: IF REPLY CODE BR IS ENTERED FOR MRC AZHG, REPLY TO MRCS AZHH AND AZHJ.

CD* (See Note Above)

AZHH A BOTTOM DROP DOOR QUANTITY

Definition: THE NUMBER OF BOTTOM DROP DOORS PROVIDED ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AZHHA4*)

CD* (See Note Preceding MRC AZHH)

AZHJ D BOTTOM DROP DOOR HINGE LOCATION

Definition: INDICATES THE LOCATION OF THE BODY TO WHICH THE BOTTOM DROP DOOR HINGE IS APPLIED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZHJDAYF*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AJ91)
BJZ	ACROSS TRACKS
AYF	PARALLEL TO TRACKS

CE

AZHK A PASSENGER CAPACITY

Definition: THE NUMBER OF PASSENGERS THE ITEM WILL ACCOMMODATE.

Reply Instructions: Enter the quantity. (e.g., AZHKA10*)

CE*

AHZX B PRIME MOVER HORSEPOWER RATING

Definition: THE RATED HORSEPOWER OF THE PRIME MOVER.

Reply Instructions: Enter the numeric value. (e.g., AZHXB45.0*; AZHXB30.0$$B40.0*)

CE

AKDJ D PRIME MOVER TYPE

Definition: INDICATES THE TYPE OF PRIME MOVER INCLUDED WITH THE UNIT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKDJDAE*)

REPLY CODE	REPLY (AG27)
A	ANY ACCEPTABLE
AE	GASOLINE ENGINE

CE*

ATPR B MAXIMUM SPEED RATING IN RPM

Definition: THE MAXIMUM SPEED AT WHICH THE ITEM IS DESIGNED TO OPERATE, EXPRESSED IN REVOLUTION PER MINUTE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the numeric value. (e.g., ATPRB45.0*)

CE*

AZBN G PRIME MOVER MANUFACTURER NAME

Definition: THE NAME OF THE MANUFACTURER OF THE PRIME MOVER.

Reply Instructions: Enter the reply in clear text. (e.g., AZBNGFORD MOTOR CO*)

CE*

BCQN A PRIME MOVER MANUFACTURER IDENTIFYING NUMBER

Definition: THE NUMBER USED BY THE MANUFACTURER FOR IDENTIFYING THE PRIME MOVER.

Reply Instructions: Enter the identifying number. (e.g., BCQNAMODEL ZZP*)

CE*

ABAR J INTEGRAL FUEL TANK CAPACITY

Definition: THE QUANTITY OF LIQUID FUEL THAT THE TANK WILL HOLD.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ABARJG2.750*)

REPLY CODE	REPLY (AB10)
G	GALLONS
L	LITERS

CE*

AAGK J RATED SPEED

Definition: THE RATED SPEED FOR WHICH THE ITEM HAS BEEN TESTED FOR PERFORMANCE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AAGKJM40.0*)

REPLY CODE	REPLY (AA34)
K	KILOMETERS PER HOUR

APP Key	MRC	Mode Code	Requirements
		M	MILES PER HOUR

CE

AZHL D BODY CONSTRUCTION

Definition: THE STRUCTURAL CHARACTERISTIC OF THE BODY.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZHLDACW*)

REPLY CODE	REPLY (AL59)
A	ANY ACCEPTABLE
ACT	CLOSED
ACW	OPEN

CE

WGHT J WEIGHT

Definition: A RELATIVE MEASURE OF THE MASS OF AN ITEM WITH RESPECT TO ITS DENSITY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., WGHTJP2500.0*)

REPLY CODE	REPLY (AB10)
K	KILOGRAMS
P	POUNDS

SECTION: D

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED03491*)

DB, DD

ALBY	D	USAGE DESIGN

Definition: INDICATES THE DESIGNED USE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALBYDAGZ*; ALBYDAGZ$$DAHA*; ALBYDAHB$DAHC*)

REPLY CODE	REPLY (AH21)
A	ANY ACCEPTABLE
AGY	ELECTRIC RAILWAY
AGZ	FREIGHT CAR
AHA	INDUSTRIAL
AHB	LOCOMOTIVE
AHC	LOCOMOTIVE TENDER
AHD	PASSENGER CAR

DA, DB

AYMN	J	TRACK GAGE

Definition: THE WIDTH BETWEEN THE RAIL HEADS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYMNJA56.500*; AYMNJA36.000$$JA42.000*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

DA, DB

APP Key	MRC	Mode Code	Requirements
	AZHM	D	AXLE MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE AXLE IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZHMDST0000*)

REPLY CODE	REPLY (AD09)
A	ANY ACCEPTABLE
ST0000	STEEL
ST1052	STEEL, CARBON

DA, DB

	AZHN	D	AXLE CONSTRUCTION

Definition: THE STRUCTURAL CHARACTERISTIC(S) OF THE AXLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZHNDAAQ*)

REPLY CODE	REPLY (AL59)
A	ANY ACCEPTABLE
ACX	BORED
AAQ	SOLID
AAS	TUBULAR

DA*

	AZHP	D	AXLE HEAT TREATMENT

Definition: A COMBINATION OF TIMED HEATING AND COOLING OPERATIONS APPLIED FOR THE PURPOSE OF ANNEALING OR HARDENING THE AXLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZHPDEP*; AZHPDEM$$DEN*; AZHPDEM$DCV*)

REPLY CODE	REPLY (AD05)
BP	ANNEALED
A	ANY ACCEPTABLE
EM	DOUBLE NORMALIZED

APP Key	MRC	Mode Code	Requirements
		CV	NORMALIZED
		EN	QUENCHED
		EP	TEMPERED

DA, DB

AZHQ J AXLE OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE AXLE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AZHQJFA7.000*; AZHQJFA7.500*; AZHQJFB7.350$$JFC7.355*)

For items indicating feet and inches, see Appendix C, Table 1 for conversion.

Table 1

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

DA, DB

AZHR D JOURNAL SURFACE CONDITION

Definition: THE CONDITION OF THE JOURNAL WITH RESPECT TO THE TEXTURE OF THE SURFACE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZHRDBBY*)

REPLY CODE	REPLY (AK39)
A	ANY ACCEPTABLE
BBY	FINISHED
BAB	ROUGH

APP Key	MRC	Mode Code	Requirements

DA, DB, DD, DE

AZHS J JOURNAL DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A JOURNAL,AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AZHSJAA6.000*; AZHSJAB5.379$$JAC5.380*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

DA, DB, DD, DE

AZHT J JOURNAL LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE JOURNAL, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AZHTJAA10.000*; AZHTJAB5.063$$JAC5.250*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

DA, DB

AZHW D JOURNAL LOCATION IN RELATION TO WHEEL SEAT

Definition: INDICATES THE LOCATION OF THE JOURNAL AS RELATED TO THE WHEEL SEAT(S).

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZHWDAYL*)

REPLY CODE	REPLY (AJ91)
A	ANY ACCEPTABLE
AYK	INNER SIDE
AYL	OUTER SIDE

DD

APGF D DESIGN TYPE

Definition: INDICATES THE DESIGN TYPE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGFDALZ*)

REPLY CODE	REPLY (AK54)
ALY	BOLTED
ALZ	PEDESTAL

DD*

AZHX D WEAR PLATE

Definition: AN INDICATION OF WHETHER OR NOT A WEAR PLATE(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZHXDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED

APP Key	MRC	Mode Code	Requirements
		C	NOT INCLUDED

DD

AZHY D INTEGRAL EQUALIZER SEAT

Definition: AN INDICATION OF WHETHER OR NOT AN INTEGRAL EQUALIZER SEAT(S) IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZHYDB*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

DA, DB, DD

AZHZ D BEARING TYPE FOR WHICH DESIGNED

Definition: INDICATES THE TYPE OF BEARING FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZHZDP*)

REPLY CODE	REPLY (AB81)
N	ANTIFRICTION
A	ANY ACCEPTABLE
P	FRICTION
D	ROLLER

DA, DB

AZJL J WHEEL SEAT DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE WHEEL SEAT, AND TERMINATES AT THE CIRCUMFERENCE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AZJLJAA10.250*; AZJLJAB5.999$$JAC6.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

DA, DB

AZJM J WHEEL SEAT LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE WHEEL SEAT, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AZJMJAA7.000*; AZJMJAB6.500$$JAC7.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

DA, DB

AZJA D BODY DESIGN BETWEEN WHEEL SEATS

Definition: THE DESIGN OF THE BODY OF THE ITEM BETWEEN THE WHEEL SEATS.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZJADEE*)

REPLY CODE	REPLY (AE98)
A	ANY ACCEPTABLE
EE	CYLINDRICAL
NP	TAPERED

DA, DB

AZJB D WHEEL SEAT COLLAR

Definition: AN INDICATION OF WHETHER OR NOT THE WHEEL SEAT INCLUDES A COLLAR.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZJBDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

DA*, DC*

AZJC D WHEEL WEAR TYPE

Definition: INDICATES THE TYPE OF WEAR FOR WHICH THE WHEEL IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZJCDAMA*)

REPLY CODE	REPLY (AK54)
A	ANY ACCEPTABLE
AMA	MULTIPLE-WEAR
AMB	ONE-WEAR
AMC	TWO-WEAR

DF*

AZJD G WHEEL WEAR CONDITION CORRECTED

APP Key	MRC	Mode Code	Requirements

Definition: THE CONDITION OF THE WHEEL WEAR TO BE CORRECTED BY THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., AZJDGREDUCES DIA OF WHEEL AND REMOVES FLAT SPOTS AND GRINDS BOTH FLANGE AND TREAD AT THE SAME TIME*)

DA, DC

AZJE D WHEEL MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE WHEEL IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZJEDST0000*; AZJEDSTL000$$DSTAA00*; AZJEDSTL000$DSTAA00*)

REPLY CODE	REPLY (AD09)
A	ANY ACCEPTABLE
FEA000	IRON, CAST
ST0000	STEEL
STL000	STEEL, CAST
STAA00	STEEL, WROUGHT
STAAD0	STEEL, WROUGHT CARBON

NOTE FOR MRC AZJG: IF REPLY CODE FEA000 IS ENTERED FOR MRC AZJE, REPLY TO MRC AZJG.

DA*, DC* (See Note Above)

AZJG J WHEEL WEIGHT

Definition: A RELATIVE MEASURE OF THE MASS OF A WHEEL WITH RESPECT TO ITS DENSITY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AZJGJAS725.0*)

REPLY CODE	REPLY (AG67)
AJ	KILOGRAMS
AS	POUNDS

APP Key	MRC	Mode Code	Requirements

DA, DC, DF

AYMS J WHEEL DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A WHEEL, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYMSJA40.000*)

For Applicability Key DF, enter replies for the wheel diameter that the item will accommodate.

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

DA*, DC*

AZJF D WHEEL TREATMENT LOCATION

Definition: INDICATES THE LOCATION ON THE WHEEL TO WHICH TREATMENT IS APPLIED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZJFDAAB*)

REPLY CODE	REPLY (AJ91)
AAB	OVERALL
APG	RIM

DA*

AKYN G FURNISHED ITEMS AND QUANTITY

Definition: THE NAME AND QUANTITY OF THOSE PARTS FURNISHED WITH THE ITEM OF SUPPLY THAT HAVE NOT BEEN SPECIFIED ELSEWHERE.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., AKYNGFLINGERS 2; GEAR 1; RING 2*)

DB

APP Key	MRC	Mode Code	Requirements
	AZJH	D	MACHINE SURFACE FOR DRIVING GEAR

Definition: AN INDICATION OF WHETHER OR NOT A MACHINED SURFACE FOR DRIVING GEAR IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZJHDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

DC

	AZJJ	D	BORE SURFACE CONDITION

Definition: THE CONDITION OF THE BORE WITH RESPECT TO THE TEXTURE OF THE SURFACE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZJJDBBY*)

REPLY CODE	REPLY (AK39)
A	ANY ACCEPTABLE
BBY	FINISHED
BAB	ROUGH

DC

	ABXV	J	BORE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR BORE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABXVJAA7.500*; ABXVJAB1.870$$JAC1.875*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

DC*

AZJK J BORE HUB WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE BORE HUB, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AZJKJAA7.000*; AZJKJAB3.012$$JAC3.157*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

DE

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA2.500*; ABKWJAB3.500$$JAC4.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

DE

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA2.500*; ABMKJAB3.500$$JAC4.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

DE

ABNM J THICKNESS

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF AN ITEM, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABNMJAA0.26*; ABNMJAB0.026$$JAC0.036*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

DE

AAUB J HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAUBJAA0.625*; AAUBJAB6.000$$JAC6.187*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

DD, DE

MATL D MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., MATLDPW0000*; MATLDST0000$$DWD0000*; MATLDPW0000$DWD0000*)

REPLY CODE	REPLY (AD09)
A	ANY ACCEPTABLE
FE0000	IRON
LR0000	LEATHER

APP Key	MRC	Mode Code	Requirements
		PW0000	PLYWOOD
		ST0000	STEEL
		STL000	STEEL, CAST
		WD0000	WOOD

NOTE FOR MRC AAFW: IF REPLY CODE PW0000 IS ENTERED FOR MRC MATL, REPLY TO MRC AAFW.

DD*, DE* (See Note Above)

AAFW A PLY QUANTITY

Definition: THE ACTUAL NUMBER OF FULL LAYERS OF MATERIAL.

Reply Instructions: Enter the quantity. (e.g., AFFWA3*)

DE*

AGUC A UNIT PACKAGE QUANTITY

Definition: THE NUMBER OF ITEMS CONTAINED IN THE UNIT PACKAGE.

Reply Instructions: Enter the quantity. (e.g., AGUCA6*)

DE*

AGUD D SUPPLY PACKAGE TYPE

Definition: INDICATES THE TYPE OF PACKAGE IN WHICH THE INTERMEDIATE PACKAGES ARE CONTAINED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AGUDDAB*; AGUDDAC$DAK*)

REPLY CODE	REPLY (AE96)
AB	BOX
AC	BOX, METAL
AK	CASE

SECTION: E

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED03486*)

EA, EB, EC

MATL	D	MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., MATLDST0000*)

REPLY CODE	REPLY (AD09)
A	ANY ACCEPTABLE
FE0000	IRON
ST0000	STEEL

EA, EB, ED

AZJN	J	RAIL WEIGHT ACCOMMODATED

Definition: THE WEIGHT OF THE RAIL(S) THE ITEM WILL ACCOMMODATE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AZJNJCS130.0*; AZJNJCS90.0$$JCS110.0*)

REPLY CODE	REPLY (AG67)
CT	KILOGRAMS PER METER
CS	POUNDS PER YARD

EA*, EC

AECS	A	BOLT HOLE QUANTITY

APP
Key MRC Mode Code Requirements

Definition: THE NUMBER OF BOLT HOLES PROVIDED ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AECSA4*)

EA*, EC

AHNY J BOLT DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A BOLT, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AHNYJAA1.000*; AHNYJAB1.000$$JAC1.031*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

EA, EB

AZJP G RAIL CONTROLLING AGENCY

Definition: THE NAME OF THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE RAIL.

Reply Instructions: Enter the reply in clear text. (e.g., AZJPGASCE*)

EA*, EB*

AZJQ D RAIL SOURCE DESIGNATION

Definition: A DESIGNATION ASSIGNED TO THE RAIL SOURCE FOR PURPOSE OF READY IDENTIFICATION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZJQDABE*; AZJQDABE$$DABH*)

APP
Key MRC Mode Code Requirements

REPLY CODE	REPLY (AM64)
ABD	A
A	ANY ACCEPTABLE
ABE	ARA-A
ABF	AS
ABG	RA-A
ABH	RE

EA, EB

AZJR J RAIL BASE WIDTH ACCOMMODATED

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE RAIL BASE THE ITEM IS DESIGNED TO ACCOMMODATE, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AZJRJA6.000*; AZJRJA5.125$$JA5.500*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

EA

APGF D DESIGN TYPE

Definition: INDICATES OF THE DESIGN TYPE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGFDAMH*)

REPLY CODE	REPLY (AK54)
AMH	ANGLE BAR
AMJ	FISH PLATE

NOTE FOR MRC AZNG: IF REPLY CODE AMH IS ENTERED FOR MRC APGF, REPLY TO MRC AZNG.

EA* (See Note Above)

APP Key	MRC	Mode Code	Requirements
	AZNG	D	ANGLE BAR DESIGN

Definition: THE DESIGN OF THE ANGLE BAR.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZNGDAC*)

REPLY CODE	REPLY (AG26)
AB	OFFSET
AC	STRAIGHT

EA

	AZNH	D	SPIKE SLOTS

Definition: AN INDICATION OF WHETHER OR NOT SPIKE SLOTS ARE INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZNHDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

EA*

	AZNJ	J	CENTER TO CENTER DISTANCE BETWEEN CENTER BOLT HOLES

Definition: THE CENTER TO CENTER DISTANCE BETWEEN THE CENTER BOLT HOLES.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AZNJJA5.000*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

EA*

APP Key	MRC	Mode Code	Requirements
	AZNK	J	CENTER TO CENTER DISTANCE BETWEEN OTHER BOLT HOLES

Definition: THE CENTER TO CENTER DISTANCE BETWEEN OTHER BOLT HOLES.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AZNKJA5.000*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

EA

	ABHP	J	OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA8.000*; ABHPJAB3.500$$JAC4.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

EA

	AZNL	D	OVERSIZE CHARACTERISTIC

Definition: AN INDICATION OF WHETHER OR NOT AN OVERSIZE CHARACTERISTIC IS INCLUDED.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZNLDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

EA

AZNM D CORRUGATIONS

Definition: AN INDICATION OF WHETHER OR NOT CORRUGATIONS ARE INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZNMDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

EA

AHGR D INSULATED FEATURE

Definition: AN INDICATION OF WHETHER OR NOT AN INSULATED FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AHGRDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

EA

AZNN D BOLTS-NUTS

Definition: AN INDICATION OF WHETHER OR NOT THE ITEM IS FURNISHED WITH BOLTS AND/OR NUTS.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZNNDF*)

REPLY CODE	REPLY (AA55)
F	FURNISHED
N	NOT FURNISHED

EB

AZNP D RAIL SEAT DESIGN

Definition: AN INDICATION OF THE DESIGN OF THE RAIL SEAT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZNPDAE*)

REPLY CODE	REPLY (AG26)
A	ANY ACCEPTABLE
AE	CANTED
AF	FLAT

EB

AZNQ D SHOULDER CONSTRUCTION

Definition: THE STRUCTURAL CHARACTERISTIC(S) OF THE SHOULDER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZNQDACC*)

REPLY CODE	REPLY (AL59)
A	ANY ACCEPTABLE
ACB	DOUBLE
ACC	SINGLE

EB

AZNR J LENGTH AT RIGHT ANGLE TO SHOULDER

APP
Key MRC Mode Code Requirements

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF AN ITEM TAKEN AT RIGHT ANGLE TO THE SHOULDER, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AZNRJA10.000*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

EB

AZNS J WIDTH PARALLEL TO SHOULDER

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE ITEM PARALLEL TO THE SHOULDER, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AZNSJA4.000*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

EB

AZNT D TRAPEZOIDAL SHAPE

Definition: AN INDICATION OF WHETHER OR NOT A TRAPEZOIDAL SHAPE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZNTDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

APP Key	MRC	Mode Code	Requirements

EB*

AZNW D BOTTOM DESIGN

Definition: THE DESIGN OF THE BOTTOM OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZNWDAAL*; AZNWDAAE$DAAL*)

REPLY CODE	REPLY (AK39)
A	ANY ACCEPTABLE
BBZ	CUSHIONED
BCA	DIAMOND
AAE	FLAT
AAL	RIBBED

EC

ABGL J WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABGLJAA30.000*; ABGLJAB30.000$$JAC60.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

EC

HGTH J HEIGHT

APP
Key MRC Mode Code Requirements

Definition: A MEASUREMENT FROM THE BOTTOM TO THE TOP OF AN OBJECT, IN DISTINCTION FROM DEPTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., HGTHJAA0.250*; HGTHJAB0.244$$JAC0.245*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

EC

ALBY D USAGE DESIGN

Definition: INDICATES THE DESIGNED USE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALBYDAHH*; ALBYDAHH$DAHJ*)

REPLY CODE	REPLY (AH21)
AHH	CENTER RAIL
AHJ	END RAIL

EC

ABNM J THICKNESS

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF AN ITEM, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABNMJAA3.000*; ABNMJAB2.500$$JAC3.000*)

APP
Key MRC Mode Code Requirements

When the source document indicates that the item is designed for end of rail, use AND ($$) coding, entering the thickness at small and large ends. (e.g., ABNMJAA2.500$$JAA3.500)*

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ED

AZNX J SPIKE SIZE FOR WHICH PUNCHED

Definition: DESIGNATES THE SIZE OF SPIKE(S) FOR WHICH THE ITEM IS PUNCHED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AZNXJA0.563*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

SECTION: F

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED03485*)

FA, FB

ASHR	J	WEIGHT

Definition: A RELATIVE MEASURE OF AN ITEM WITH RESPECT TO ITS DENSITY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ASHRJAT100.0*)

REPLY CODE	REPLY (AG69)
AW	KILOGRAMS PER METER
AT	POUNDS PER YARDS

FA, FB

MATL	D	MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., MATLDST000*)

REPLY CODE	REPLY (AD09)
A	ANY ACCEPTABLE
FE0000	IRON
ST0000	STEEL

FA, FB

APP Key	MRC	Mode Code	Requirements
	AZNY	D	DRILLED HOLE

Definition: AN INDICATION OF WHETHER OR NOT A DRILLED HOLE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZNYDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

FA*, FB*

ASXK	A	HOLE QUANTITY

Definition: THE NUMBER OF HOLES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., ASXKA3*)

FA*, FB*

AZNZ	J	HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AZNZJA1.125*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

FA*, FB*

AZPA	D	HOLE LOCATION

Definition: INDICATES THE LOCATION OF THE HOLE(S) ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZPADAHM*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AJ91)
AHP	CENTER
AHM	EACH END

FA*, FB*

AZPB J FIRST HOLE CENTER DISTANCE FROM RAIL END

Definition: THE DISTANCE FROM THE END OF THE RAIL TO THE CENTER OF THE FIRST HOLE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AZPBJAA2.500*; AZPBJAB2.500$$JAC2.688*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

FA*, FB*

ABRF J CENTER TO CENTER DISTANCE BETWEEN HOLES

Definition: THE CENTER TO CENTER DISTANCE BETWEEN HOLES ON THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABRFJAA5.500*; ABRFJAB4.000$$JAC4.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

FA

APCL D RELAY TYPE

Definition: INDICATES THE TYPE OF RELAY(S) PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APCLDBQ*)

REPLY CODE	REPLY (AK38)
BQ	NEW
BR	USED

FA

ACTV J BASE WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A BASE TAKEN, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ACTVJA5.500*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

FA

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

APP
Key MRC Mode Code Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA2.500*; ABKWJAB3.500$$JAC4.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

FA

ABQX J HEAD WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A HEAD, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABQXJAA2.750*; ABQXJAB2.438$$JAC2.469*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

FA

AZPC J LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE ITEM, IN DISTINCTION FROM WIDTH.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AZPCJFAE30.0*)

Table 1

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

Table 2

REPLY CODE	REPLY (AM01)
AE	SPECIFIED
AD	STANDARD

FA

AZPD D CONTROL COOLED FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A CONTROL COOLED FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZPDDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

FA

AZPE D END HARDENED FEATURE

Definition: AN INDICATION OF WHETHER OR NOT AN END HARDENED FEATURE IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZPEDB*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

APP Key	MRC	Mode Code	Requirements
FB			
	ABHP	J	OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJFA8.000*; ABHPJFB3.500$$JFC4.000*)

Table 1

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

FB*

	AKYD	G	ACCESSORY COMPONENTS AND QUANTITY

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the reply in clear text. (e.g., AKYDGBOLTS 2*)

SECTION: G

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED16352*)

ALL			
	ASWL	D	SHANK SHAPE

Definition: THE PHYSICAL CONFIGURATION OF THE SHANK.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASWLDBU*)

REPLY CODE	REPLY (AD07)
A	ANY ACCEPTABLE
BU	HEXAGON
RD	ROUND

ALL*			
	AAZE	J	SHANK DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE BODY OF THE SHANK AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAZEJAA0.875*; AAZEJAB0.850$$JAC0.863*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)

APP Key	MRC	Mode Code	Requirements
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

ALL*

AAGW J WIDTH ACROSS FLATS

Definition: THE SHORTEST STRAIGHT LINE BETWEEN THE FLATS OF A HEXAGONAL OR OCTAGONAL CROSS-SECTIONAL PLANE WHICH IS PERPENDICULAR TO THE HEIGHT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AAGWJA0.750*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

ALL*

AATR J SHANK LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE SHANK, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AATRJAA2.500*; AATRJAB2.500$$JAC2.619*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

APP Key	MRC	Mode Code	Requirements
	AEAE	J	BLADE LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE BLADE, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AEAEJAA3.000*; AEAEJAB3.000$$JAC3.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

	AEAF	J	BLADE WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A BLADE, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from the Tables 1 and 2 below, followed by the numeric value. (e.g., AEAFJAA3.000*; AEAFJAB3.000$$JAC3.063*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

APP Key	MRC	Mode Code	Requirements
	AJBG	J	BLADE THICKNESS

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF A BLADE, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AJBGJAA0.625*; AJBGJAB0.619$$JAC0.625*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

	AZPF	D	OFFSET BLADE

Definition: AN INDICATION OF WHETHER OR NOT AN OFFSET BLADE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZPFDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

	AZPG	D	NOTCHED BLADE

Definition: AN INDICATION OF WHETHER OR NOT A NOTCHED BLADE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZPGDB*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA8.000*; ABHPJAB3.500$$JAC4.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

MATL D MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., MATLDST0000*)

REPLY CODE	REPLY (AD09)
A	ANY ACCEPTABLE
FE0000	IRON
ST0000	STEEL

SECTION: H

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED04371*)

HA

AZPH	D	WEDGE BLADE

Definition: AN INDICATION OF WHETHER OR NOT A WEDGE BLADE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZPHDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS AZPJ AND AZPK: IF REPLY CODE B IS ENTERED FOR MRC AZPH, REPLY TO MRCS AZPJ AND AZPK.

HA* (See Note Above)

AZPJ	J	CUT WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE CUT, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AZPJJF10.000*; AZPJJF8.917*)

For items indicating feet and inches, see Appendix C, Table 1, for conversion.

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

APP Key	MRC	Mode Code	Requirements

HA* (See Note Preceding MRC AZPJ)

AZPK J CUT HEIGHT

Definition: A MEASUREMENT FROM THE BOTTOM TO THE TOP OF THE CUT, IN DISTINCTION FROM DEPTH.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AZPKJF4.000*; AZPKJF3.917*)

For items indicating feet and inches, see Appendix C, Table 1 for conversion.

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

HA

AZPL D HORIZONTAL STRAIGHT BLADE

Definition: AN INDICATION OF WHETHER OR NOT A HORIZONTAL STRAIGHT BLADE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZPLDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS AZPM, AEAF, AND AZPN: IF REPLY CODE B IS ENTERED FOR MRC AZPL, REPLY TO THESE MRCS, AS APPLICABLE.

HA* (See Note Above)

AZPM D CUT ANGLE ADJUSTABILITY

Definition: AN INDICATION OF WHETHER OR NOT THE CUT ANGLE IS ADJUSTABLE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZPMDA*)

REPLY CODE	REPLY (AB00)
A	ADJUSTABLE
C	NONADJUSTABLE

HA* (See Note Preceding MRC AZPM)

AEAF J BLADE WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A BLADE, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AEAFJFA12.000*; AEAFJFA12.500*; AEAFJFB12.000$$JFC12.125*)

For items indicating feet and inches, see Appendix C, Table 1 for conversion.

Table 1

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

HA* (See Note Preceding MRC AZPM)

AZPN J BLADE HEIGHT

Definition: A MEASUREMENT FROM THE BOTTOM TO THE TOP OF THE BLADE, IN DISTINCTION FROM DEPTH.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AZPNJF4.000*; AZPNJF4.500*)

For items indicating feet and inches, see Appendix C, Table 1 for conversion.

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

HA

APGF D DESIGN TYPE

Definition: INDICATES THE DESIGN TYPE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGFDAMK*)

Single track operation denotes moving the snow to both sides of a railway track. Double track operation denotes moving the snow to one side of a railway track.

REPLY CODE	REPLY (AK54)
AML	DOUBLE TRACK
AMK	SINGLE TRACK

HA

MATL D MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., MATLDST0000*)

REPLY CODE	REPLY (AD09)
A	ANY ACCEPTABLE
FE0000	IRON
ST0000	STEEL

HA

AAXX D MOUNTING TYPE

Definition: INDICATES THE TYPE OF MOUNT UTILIZED TO SUPPORT THE ITEM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAXXDGG*)

REPLY CODE	REPLY (AA78)
GG	ATTACHED TO LOCOMOTIVE
GH	ATTACHED TO RAILWAY CAR
GJ	INTEGRAL ON RAILWAY CAR

NOTE FOR MRCS ALBY AND AYMN: IF REPLY CODE GJ IS ENTERED FOR MRC AAXX, REPLY TO MRC AYMN.

HA* (See Note Above)

ALBY D USAGE DESIGN

Definition: INDICATES THE DESIGNED USE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALBYDAHB*)

REPLY CODE	REPLY (AH21)
AHL	FLATCAR
AHB	LOCOMOTIVE
AHK	RAILWAY CAR

HA* (See Note Preceding MRC ALBY)

AYMN J TRACK GAGE

Definition: THE WIDTH BETWEEN THE RAIL HEADS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYMNJA56.500*; AYMNJA56.500$$JA60.000*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

HA

AZPP D FLANGERS

APP Key	MRC	Mode Code	Requirements

Definition: AN INDICATION OF WHETHER OR NOT FLANGERS IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZPPDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

SECTION: J

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED04863*)

JA			
	ARQS	D	CONSTRUCTION

Definition: THE STRUCTURAL CHARACTERISTIC OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ARQSDAAP*)

REPLY CODE	REPLY (AL59)
AAP	HOLLOW
AAQ	SOLID

JA			
	APGF	D	DESIGN TYPE

Definition: INDICATES THE DESIGN TYPE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGFDAMN*)

REPLY CODE	REPLY (AK54)
AMM	OFFSET
AMN	STRAIGHT

NOTE FOR MRCS AZPQ, AZPR, AND AAUB: FOR DIFFERENT HOLE LOCATIONS AND/OR QUANTITIES, USE AND ($$) CODING. USE AND CONDITION CODING ($$) TO ENTER TOLERANCE VALUES, IF APPLICABLE FOR MRC AAUB. ENTER REPLIES IN THE SAME SEQUENCE AS MRC AZPQ.

APP Key	MRC	Mode Code	Requirements

JA (See Note Above)

AZPQ J HOLE LOCATION AND QUANTITY

Definition: INDICATES THE LOCATION AND NUMBER OF HOLES ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the quantity. (e.g., AZPQJAHM2; AZPQJAHL2$$JAHN1*)*

REPLY CODE	REPLY (AJ91)
AHM	EACH END
AHL	ONE END
AHN	OTHER END

NOTE FOR MRC AZPR: IF MORE THAN ONE HOLE FOR EACH END IS ENTERED FOR MRC AZPQ, REPLY TO MRC AZPR.

JA* (See Note Above and Preceding MRC AZPQ)

AZPR J HOLE SPACING

Definition: THE SPACING BETWEEN HOLES.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AZPRJA2.000; AZPRJA5.312$$JA1.000*)*

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

JA (See Note Preceding MRC AZPQ)

AAUB J HOLE DIAMETER

APP Key	MRC	Mode Code	Requirements

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAUBJAA1.125; AAUBJAB1.175$$JAC1.500*; AAUBJAA1.281$$JAA1.406*)*

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

JA*

AZPS	J	CENTER TO CENTER DISTANCE BETWEEN INSIDE HOLES

Definition: THE CENTER TO CENTER DISTANCE BETWEEN THE INSIDE HOLES.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AZPSJF3.000*; AZPSJF3.167*)

For items indicating feet and inches, see Appendix C, Table 1 for conversion.

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

SECTION: K

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED04417*)

KA			
	AZPT	D	COMMERCIAL DESIGNATION

Definition: THE COMMERCIAL DESIGNATION BY WHICH THE ITEM IS IDENTIFIED.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 4. (e.g., AZPTDAAP*)

KA			
	ALBY	D	USAGE DESIGN

Definition: INDICATES THE DESIGNED USE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALBYDAGZ*)

REPLY CODE	REPLY (AH21)
A	ANY ACCEPTABLE
AGZ	FREIGHT CAR
AHB	LOCOMOTIVE
AHD	PASSENGER CAR

KA			
	APCG	D	SHANK TYPE

Definition: INDICATES THE PARTICULAR TYPE OF SHANK.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APCGDMP*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AD07)
A	ANY ACCEPTABLE
MN	BUTT
MP	RIGID
MQ	SWIVEL

NOTE FOR MRCS AATR AND AZPW: IF REPLY CODE MN OR MP IS ENTERED FOR MRC APCG, REPLY TO MRC AATR. IF REPLY CODE MQ IS ENTERED FOR MRC APCG, REPLY TO MRC AZPW.

KA* (See Note Above)

AATR J SHANK LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE SHANK, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AATRJAA21.250*; AATRJAB21.125$$JAC21.250*)

The coupler horn is the point marking the base of a standard 12 inch coupler head. For rigid items, the shank length is measured from the coupler horn to the end of the shank. Butt type is measured over the butt to the end of the shank.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

KA* (See Note Preceding MRC AATR)

AZPW J SWIVEL PIN SHANK LENGTH FROM HORN TO RADIUS POINT

APP
Key MRC Mode Code Requirements

Definition: A MEASUREMENT OF THE SHANK TAKEN FROM THE HORN TO THE RADIUS POINT OF A SWIVEL PIN.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AZPWJAA12.000*; AZPWJAB16.688$$JAC16.750*)

The coupler horn is the point marking the base of a standard 12 inch coupler head. For swivel type shank, the length is taken from coupler horn to radius point of swivel pin.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

KA*

AZPX G SHANK CROSS SECTION SIZE

Definition: A MEASUREMENT OF THE SHANK TAKEN AT RIGHT ANGLES TO ITS LENGTH.

Reply Instructions: Enter the reply in clear text. (e.g., AZPXG6 IN. BY 8 IN.*)

KA*

AZPY J BUTT HEIGHT

Definition: A MEASUREMENT FROM THE BOTTOM TO THE TOP OF THE BUTT, IN DISTINCTION FROM DEPTH.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AZPYJA8.000*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

KA

AZPZ D UNCOUPLING OPERATION METHOD FOR WHICH DESIGNED

Definition: AN INDICATION OF THE UNCOUPLING OPERATION METHOD FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZPZDABD*)

REPLY CODE	REPLY (AJ91)
A	ANY ACCEPTABLE
ABA	BOTTOM
AKF	SIDE
ABD	TOP

KA

AZQA D UNCOUPLING ROTARY OPERATION FEATURE

Definition: AN INDICATION OF WHETHER OR NOT AN UNCOUPLING ROTARY OPERATION FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZQADB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

KA

AZQB D UNCOUPLING SIDE OPERATION DESIGN

Definition: THE DESIGN OF THE UNCOUPLING PROVIDED FOR SIDE OPERATION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZQBDACC*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AL59)
ACB	DOUBLE
ACC	SINGLE

KA

AAFZ D BODY MATERIAL

Definition: THE BASIC MATERIAL OF WHICH THE ITEM IS FABRICATED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAFZDST0000*)

REPLY CODE	REPLY (AD09)
A	ANY ACCEPTABLE
FEA000	IRON, CAST
ST0000	STEEL

KA

AZXM D KNUCKLE MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE KNUCKLE IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZXMDST0000*)

REPLY CODE	REPLY (AD09)
A	ANY ACCEPTABLE
FEA000	IRON, CAST
ST0000	STEEL

KA

AZXN D LOCK MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE LOCK IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZXNDST0000*)

REPLY CODE	REPLY (AD09)
A	ANY ACCEPTABLE
FEA000	IRON, CAST
ST0000	STEEL

SECTION: L

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED04411*)

LA			
	AYMN	J	TRACK GAGE

Definition: THE WIDTH BETWEEN THE RAIL HEADS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYMNJA56.500*; AYMNJA56.500$$JA60.000*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

LA			
	APGF	D	DESIGN TYPE

Definition: INDICATES THE DESIGN TYPE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGFDAMP*)

REPLY CODE	REPLY (AK54)
AMP	CLASP
AMQ	TRUSS

NOTE FOR MRCS AZXP AND AZXQ: IF REPLY CODE AMQ IS ENTERED FOR MRC APGF, REPLY TO MRCS AZXP AND AZXQ.

LA* (See Note Above)			
	AZXP	D	STRUT MOUNTING DESIGN

APP Key	MRC	Mode Code	Requirements

Definition: THE DESIGN OF THE STRUT MOUNTING PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZXPDL*)

REPLY CODE	REPLY (AA38)
A	ANY ACCEPTABLE
L	LEFT-HAND
G	REVERSIBLE
R	RIGHT-HAND

LA* (See Note Preceding MRC AZXP)

AZXQ D TRUSS CONSTRUCTION

Definition: THE STRUCTURAL CHARACTERISTIC(S) OF THE TRUSS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZXQDACY*)

REPLY CODE	REPLY (AL59)
ACY	BUILT-UP
ABD	ONE-PIECE

NOTE FOR MRCS AZXR AND AZXS: IF REPLY CODE ACY IS ENTERED FOR MRC AZXQ, REPLY TO MRCS AZXR AND AZXS.

LA* (See Note Above)

AZXR D COMPRESSION MEMBER CROSS-SECTIONAL SHAPE

Definition: THE GEOMETRIC CONFIGURATION OF THE COMPRESSION MEMBER WHEN VIEWED IN CROSS SECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZXRDMW*)

REPLY CODE	REPLY (AD07)
A	ANY ACCEPTABLE
MH	CHANNEL
MR	I-BEAM
MS	I-SECTION

APP Key	MRC	Mode Code	Requirements
		MT	T-BAR
		MW	U-BAR

LA* (See Note Preceding MRC AZXR)

AZXS D TENSION MEMBER CROSS-SECTIONAL SHAPE

Definition: THE GEOMETRIC CONFIGURATION OF THE TENSION MEMBER WHEN VIEWED IN CROSS SECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZXSDRD*)

REPLY CODE	REPLY (AD07)
A	ANY ACCEPTABLE
RT	RECTANGULAR
RD	ROUND

NOTE FOR MRCS AZXT AND AZXW: IF REPLY CODE AMP IS ENTERED FOR MRC APGF, REPLY TO MRCS AZXT AND AZXW.

LA* (See Note Above)

AZXT J CLASP TYPE AND QUANTITY

Definition: INDICATES THE TYPE AND NUMBER OF CLASPS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the quantity. (AZXTJAMR2*)

REPLY CODE	REPLY (AK54)
AMR	DOUBLE JAW
AMS	FULCRUM

LA* (See Note Preceding MRC AZXT)

AZXW J DISTANCE FROM BEAM CENTERLINE TO FULCRUM/DOUBLE JAW CENTER

Definition: THE DISTANCE FROM THE BEAM CENTERLINE TO THE CENTER OF THE FULCRUM OR DOUBLE JAW.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AZXWJA15.000*)

If more than one fulcrum or double jaw, use AND/OR ($$/$) coding entering the shortest distance and ascending to the longest distance. (e.g.,AZXWJA15.000$$JA23.000$JA24.000; AZXWJL381.0$$JL584.2*)*

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

LA

AZXX D BRAKE HEAD TYPE

Definition: INDICATES THE TYPE OF BRAKE HEAD PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZXXDAFG*)

REPLY CODE	REPLY (AK54)
AMT	ADJUSTABLE
AFG	RIGID

LA*

AZXY D HANGING POSITION

Definition: THE POSITION IN WHICH THE ITEM IS DESIGNED TO HANG.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZXYDAHP*)

REPLY CODE	REPLY (AJ91)
A	ANY ACCEPTABLE
AHP	CENTER
AYM	UPPER

SECTION: M

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED04421*)

MA			
	STYL	L	STYLE DESIGNATOR

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE ITEM.

Reply Instructions: Enter the applicable style number from Appendix B , Reference Drawing Group A. (e.g., STYLLA1*)

MA			
	MATL	D	MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., MATLDST0000*)

REPLY CODE	REPLY (AD09)
A	ANY ACCEPTABLE
FEA000	IRON, CAST
ST0000	STEEL

MA			
	AZXZ	D	HANGER END PEAR SHAPED CROSS SECTION

Definition: AN INDICATION OF WHETHER OR NOT A PEAR SHAPED CROSS SECTION AT THE HANGER END IS INCLUDED.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZXZDC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

SECTION: STANDARD

APP Key	MRC	Mode Code	Requirements
ALL*			
	FEAT	G	SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)

ALL*			
	TEST	J	TEST DATA DOCUMENT

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

(e.g., TESTJA12345-CWX654321*;

TESTJA1234A-654321$$JB5556A-663654*;

TESTJAA2345-654321$JB55566-663654*)

REPLY CODE	REPLY (AC28)
A	SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.)
B	STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)

APP Key	MRC	Mode Code	Requirements
		C	DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)

ALL*

SPCL G SPECIAL TEST FEATURES

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ALL*

ZZZK J SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B$$JP80205-NAS1103*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AN62)
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

NOTE FOR MRC ZZZT: IF THE SPECIFICIATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL* (See Note Above)

ZZZT J NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1$$JSTA*; ZZZTJTY1$JSTA*)

ALL*

ZZZW G DEPARTURE FROM CITED DOCUMENT

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

APP Key	MRC	Mode Code	Requirements
ALL*			
	ZZZX	G	DEPARTURE FROM CITED DESIGNATOR
			Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)
ALL*			
	ZZZY	G	REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS
			Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)
ALL*			
	CRTL	A	CRITICALITY CODE JUSTIFICATION
			Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.
			Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL$$ASURF*)
			Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.

NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.

ALL* (See Note Above)

APP Key	MRC	Mode Code	Requirements
	PRPY	A	PROPRIETARY CHARACTERISTICS

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding ($$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL$$ASURF*)

ALL*

	ELRN	G	EXTRA LONG REFERENCE NUMBER

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

ALL*

	ELCD	D	EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

REPLY CODE	REPLY (AN58)

APP Key	MRC	Mode Code	Requirements
		A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD

SECTION: SUPPTECH

APP Key	MRC	Mode Code	Requirements
ALL			
	CBME	J	CUBIC MEASURE

Definition: A MEASURE OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CBMEJCF1.0219*)

REPLY CODE	REPLY (AN76)
CF	CUBIC FEET
CM	CUBIC METERS

APP Key	MRC	Mode Code	Requirements
ALL			
	PKWT	J	UNPACKAGED UNIT WEIGHT

Definition: THE MEASURED WEIGHT OF AN ITEM UNENCUMBERED BY PACKAGING OR PACKING MATERIAL.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., PKWTJLB2.50*)

REPLY CODE	REPLY (AN75)
KG	KILOGRAMS
LB	POUNDS

APP Key	MRC	Mode Code	Requirements
ALL			
	AGAV	G	END ITEM IDENTIFICATION

Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.

Reply Instructions: Enter the applicable reply in clear text.

(e.g., AGAVG3930-00-000-0000*;

AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*)

APP Key	MRC	Mode Code	Requirements
ALL			
	SUPP	G	SUPPLEMENTARY FEATURES
	Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM, NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.		
	Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT.)		
ALL			
	ZZZV	G	FSC APPLICATION DATA
	Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.		
	Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGFUEL SYSTEM,GASOLINE ENGINE, NONAIRCRAFT*)		

Reply Tables

Table 1 - NONDEFINITIVE SPEC/STD DATA

NONDEFINITIVE SPEC/STD DATA

REPLY CODE	REPLY (AD08)
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
ML	MATERIAL
MH	MESH
ME	METHOD
MD	MODEL

REPLY CODE	REPLY (AD08)
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Table 2 - COUPLER ARRANGEMENTS
COUPLER ARRANGEMENTS

REPLY CODE	REPLY (AM64)
AAB	AAR STANDARD
ACA	AAR STANDARD, TYPE D
AAM	AAR STANDARD, TYPE E
AAS	AAR STANDARD, TYPE F
ACB	ALLIANCE
AAC	ALLIANCE, NO. 2
A	ANY ACCEPTABLE
AAD	COUPLER
AAE	COUPLER-BUFFER
AAF	DRAWHOOK-BUFFER
AAG	DRAWHOOK-SCREW
ACC	JNR AUTOMATIC A500
ACD	NATIONAL AP
AAH	SCREW
AAJ	SCREW-BUFFER
AAW	SHARON, 10
AAK	SOLID DRAWBAR
AAL	SPRING CUSHIONED DRAWBAR
ACE	W H MINER
AAN	WILLISON
AAP	WILLISON, TYPE E
AAZ	WILLISON, TYPE K
ABA	WILLISON, TYPE L

Table 3 - CARGO FOR WHICH DESIGNED
CARGO FOR WHICH DESIGNED

REPLY CODE	REPLY (AG36)
CH	ACETIC ACID GLACIAL
CJ	ACETIC ANHYRIDE
CF	ACID
DR	AMMONIUM NITRATE
CK	ANHYDROUS AMMONIA
CL	ANHYDROUS HYDROGEN FLUORIDE
DT	ANHYDROUS METHANOL
A	ANY ACCEPTABLE
CM	CAUSTIC SODA
CN	CHLORINE
CP	FUMING NITRIC ACID
CQ	GENERAL FREIGHT
CR	GENERAL OIL LIQUID
CS	HEAVY MILITARY EQUIPMENT
CT	HEAVY ORDNANCE
CW	LIQUID PETROLEUM GAS

REPLY CODE	REPLY (AG36)
DW	METHYL ALCOHOL
CX	MILITARY EQUIPMENT
CY	MURIATIC ACID
CZ	NARROW GAGE LOCOMOTIVES
DS	NITRIC ACID
DA	OUTSIZES ORDNANCE TRACKED VEHICLES
BN	PETROLEUM
BP	PHOSPHORIC ACID
DB	PHOSPHOROUS
DC	POISON GAS
DD	PROPANE GAS
DE	SPECIAL COMMODITY
DF	SPENT ATOMIC FUEL
DX	STEAM GENERATOR PLANT
DY	SULFURIC ACID
DH	TRANSFORMERS
DG	WATER STORAGE FOR FIRE PROTECTION

Table 4 - COMMERCIAL DESIGNATIONS

COMMERCIAL DESIGNATIONS

REPLY CODE	REPLY (AM64)
AAQ	AAR STANDARD, TYPE D, NO. 3
AAM	AAR STANDARD, TYPE E
AAR	AAR STANDARD, TYPE E, PILOT
AAS	AAR STANDARD, TYPE F
AAT	AAR STANDARD, TYPE H
AAC	ALLIANCE, NO. 2
A	ANY ACCEPTABLE
ACF	SHARON
AAW	SHARON, 10
AAX	SHARON, 10-3/4
ABC	WILLISON, RUSSIAN
AAP	WILLISON, TYPE E
AAY	WILLISON, TYPE G
AAZ	WILLISON, TYPE K
ABA	WILLISON, TYPE L
ABB	WILLISON, TYPE M

Reference Drawing Groups

REFERENCE DRAWING GROUP A Tables
BRAKE BEAM HANGERS

INDEX OF MASTER REQUIREMENT CODES

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABRYJAA11.625*; ABRYJAB11.500$$JAC11.625*)

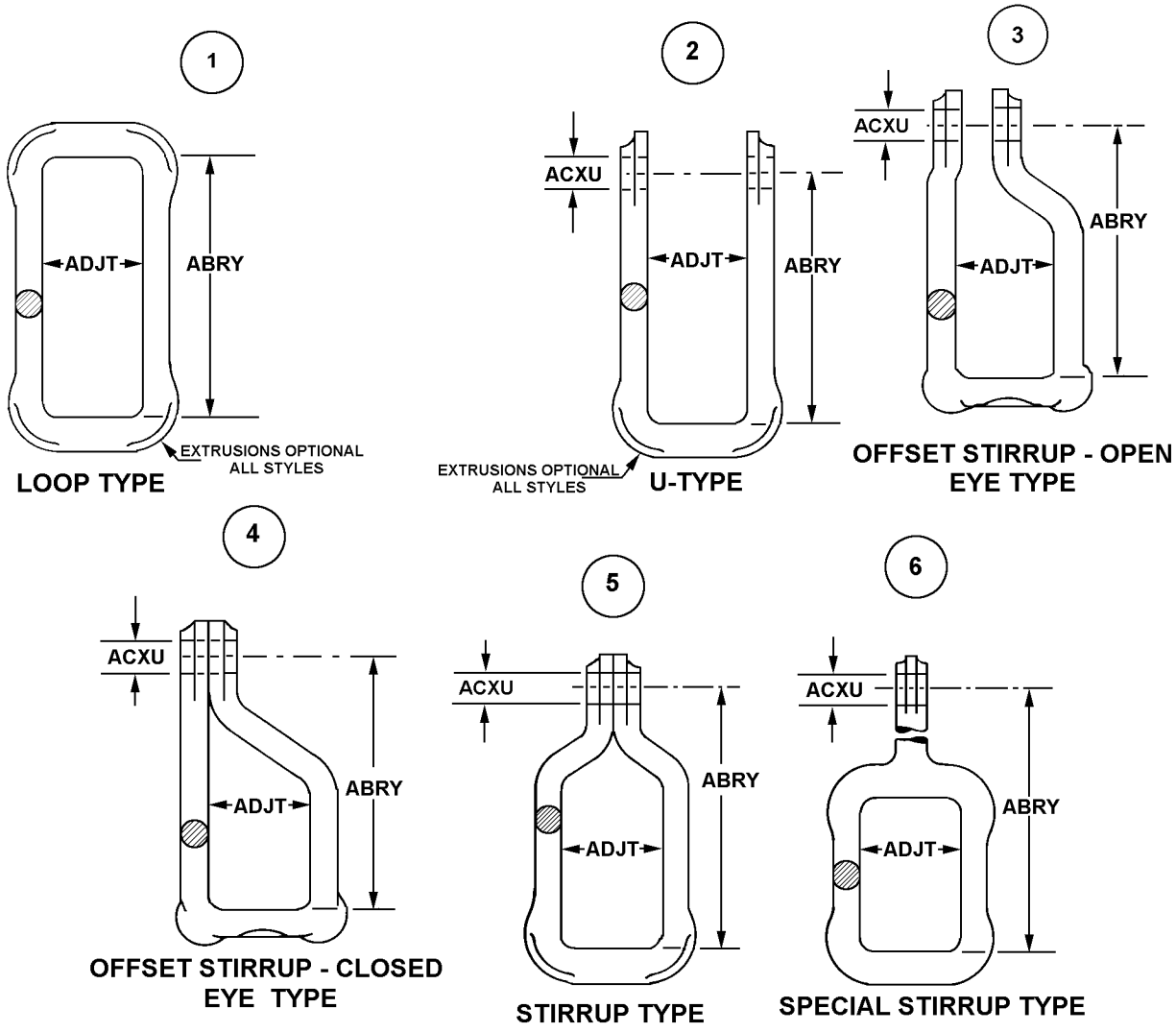
REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

MRC	Mode Code	Name of Dimension
ABRY	J	LENGTH
ACXU	J	PINHOLE DIAMETER
ADJT	J	INSIDE WIDTH

REFERENCE DRAWING GROUP A

BRAKE BEAM HANGERS



Technical Data Tables

No table of contents entries found.

FIIG Change List

FIIG Change List, Effective May 7, 2010

This change replaced with ISAC or and/or coding.